

What is claimed is:

1. A multicomponent system comprising at least three components, comprising

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(I) a component which is free from chlorinated polyolefins and is curable with polyisocyanates, comprising

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(I.1) at least one binder containing isocyanate-reactive functional groups and

(I.2) at least one organic solvent,

(II) a component free from binders (I.1), comprising

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(II.1) at least one chlorinated polyolefin and

(II.2) at least one organic solvent,

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(III) a component consisting of or comprising at least one polyisocyanate (III.1).

2. The multicomponent system as claimed in claim 1, wherein component (II) contains based on its total amount

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(II.1) from 5 to 40% by weight of at least one chlorinated polyolefin, calculated as solids.

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3. The multicomponent system as claimed in claim 2, wherein component (II) contains based on its total amount

(II.1) from 10 to 35% by weight of at least one chlorinated polyolefin.

5 4. The multicomponent system as claimed in any one of claims 1 to 3, wherein the chlorinated polyolefin (II.1) contains, based on its total amount, from 10 to 45% by weight of chlorine.

10 5. The multicomponent system as claimed in any one of claims 1 to 4, wherein the chlorinated polyolefin (II.1) contains, based on its total amount, from 15 to 20% by weight of chlorine.

15 6. The multicomponent system as claimed in any one of claims 1 to 5, wherein component (I) comprises

(I.3) at least one additive.

20 7. The multicomponent system as claimed in claim 6, wherein the additive (I.3) is selected from the group consisting of physically curable binders other than the above-described binders (I.1); pigments; molecularly dispersely soluble dyes; light stabilizers, such as UV absorbers and reversible free-radical scavengers (HALS); antioxidants; wetting agents; emulsifiers; slip additives; antisettling agents; polymerization inhibitors; thermal crosslinking catalysts;

25 8. thermolabile free-radical initiators; photoinitiators and photo-coinitiators; adhesion promoters; leveling agents; film-forming auxiliaries; rheological aids or rheological control additives (thickeners and pseudoplastic sag control agents, SCA); flame retardants; corrosion inhibitors; waxes, siccatives; biocides and/or dulling agents.

8. The multicomponent system as claimed in any one of claims 1 to 7, wherein the organic solvents (I.2) and (II.2) contain isocyanate-reactive groups.

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9. The multicomponent system as claimed in any one of claims 1 to 8, wherein the isocyanate-reactive functional groups are selected from the group consisting of hydroxyl groups, thiol groups and primary and secondary amino groups.

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10. The multicomponent system as claimed in any one of claims 1 to 9, wherein component (III) comprises at least one inert organic solvent (III.2).

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11. The multicomponent system as claimed in any one of claims 1 to 10, further comprising at least one other component (IV).

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12. A process for preparing a multicomponent system comprising at least three components as claimed in any one of claims 1 to 11, which comprises preparing components (I), (II) and (III) and, where used, (IV) separately from one another by mixing their respective constituents and homogenizing the resulting mixtures.

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13. The use of a multicomponent system comprising at least three components as claimed in any one of claims 1 to 11 or of a multicomponent system comprising at least three components and prepared by a process as claimed in claim 12 for preparing coating materials.

14. The use as claimed in claim 13, wherein the coating materials are prepared by mixing components (I), (II) and (III) and, where used, (IV) and homogenizing the resulting mixtures.

5 15. The use as claimed in claim 14, wherein components (I), (II) and (III) and, where used, (IV) are mixed with one another in a proportion such that in the resulting coating materials the equivalent ratio of isocyanate-reactive functional groups to isocyanate groups is from 1:2 to 2:1.

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16. The use as claimed in any one of claims 13 to 15, wherein the resulting coating materials, based on their solids, contain from 0.5 to 15% by weight of at least one chlorinated polyolefin (II.1).

15 17. The use as claimed in any one of claims 13 to 16, wherein the coating materials are used for producing adhesion-promoting and/or energy-absorbing coatings on substrates.

20 18. The use as claimed in claim 17, wherein the substrates have surface coatings of thermoplastics or thermoset materials or consist thereof.

25 19. The use of component (II) as set forth in any one of claims 1 to 5 and of component (II) prepared by a process as claimed in claim 12 for producing adhesion-promoting primer coatings with a film thickness of up to 15 µm, in particular 10 µm, on plastics.